

Docket No. AUS920040060US1

CLAIMS:

What is claimed is:

1. A method in a data processing system for presenting coverage data for code, the method comprising:
 - obtaining the coverage data containing instruction access indicators associated with the code;
 - identifying particular instruction access indicators that have been set by a processor in the data processing system in response to execution of the code by the processor to form set instruction access indicators, wherein each set instruction access indicator is associated with a portion of the code; and
 - generating a presentation for the coverage data, wherein the set instruction access indicators are identified in the presentation.
2. The method of claim 1 further comprising:
 - identifying unset instruction access indicators that have remained unset during the execution of the code by the processor; wherein the unset instruction access indicators are identified in the presentation.
3. The method of claim 2, wherein the set instruction access indicators are identified in the presentation using a first color and wherein the unset instruction access indicators are identified in the presentation using a second color.

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4. The method of claim 2, wherein the set instruction access indicators are identified in the presentation using a graphical indicator and wherein the unset instruction access indicators are identified in the presentation using the graphical indicator.
5. The method of claim 2, wherein the generating step is performed in response to an event.
6. The method of claim 5, wherein the event is at least one of a completion of the execution of the code, expiration of a time, and the execution of a selected type of instruction in the code.
7. The method of claim 1, wherein the portion of the code is a single instruction in the code and wherein every instruction in the code is associated with a different instruction access indicator.
8. The method of claim 1, wherein the portion of the code is a subroutine in the code.
9. The method of claim 1, wherein the portion of the code is a branch instruction in the code.
10. A data processing system for presenting coverage data for code, the data processing system comprising:
obtaining means for obtaining the coverage data containing instruction access indicators associated with the code;

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identifying means for identifying particular instruction access indicators that have been set by a processor in the data processing system in response to execution of the code by the processor to form set instruction access indicators, wherein each set instruction access indicator is associated with a portion of the code; and

generating means for generating a presentation for the coverage data, wherein the set instruction access indicators are identified in the presentation.

11. The data processing system of claim 10, wherein the identifying means is a first identifying means and further comprising:

second identifying means for identifying unset instruction access indicators that have remained unset during the execution of the code by the processor; wherein the unset instruction access indicators are identified in the presentation.

12. The data processing system of claim 11, wherein the set instruction access indicators are identified in the presentation using a first color and wherein the unset instruction access indicators are identified in the presentation using a second color.

13. The data processing system of claim 11, wherein the set instruction access indicators are identified in the presentation using a graphical indicator and wherein the

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unset instruction access indicators are identified in the presentation using the graphical indicator.

14. The data processing system of claim 11, wherein the generating means is performed in response to an event.

15. The data processing system of claim 14, wherein the event is at least one of a completion of the execution of the code, expiration of a time, and the execution of a selected type of instruction in the code.

16. The data processing system of claim 11, wherein the portion of the code is a single instruction in the code and wherein every instruction in the code is associated with a different instruction access indicator.

17. The data processing system of claim 11, wherein the portion of the code is a subroutine in the code.

18. The data processing system of claim 11, wherein the portion of the code is a branch instruction in the code.

19. A computer program product in a computer readable medium for presenting coverage data for code, the computer program product comprising:

first instructions for obtaining the coverage data containing instruction access indicators associated with the code;

second instructions for identifying particular instruction access indicators that have been set by a

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processor in the data processing system in response to execution of the code by the processor to form set instruction access indicators, wherein each set instruction access indicator is associated with a portion of the code; and

third instructions for generating a presentation for the coverage data, wherein the set instruction access indicators are identified in the presentation.

20. The computer program product of claim 19 further comprising:

fourth instructions for identifying unset instruction access indicators that have remained unset during the execution of the code by the processor; wherein the unset instruction access indicators are identified in the presentation.

21. The computer program product of claim 20, wherein the set instruction access indicators are identified in the presentation using a first color and wherein the unset instruction access indicators are identified in the presentation using a second color.

22. The computer program product of claim 20, wherein the set instruction access indicators are identified in the presentation using a graphical indicator and wherein the unset instruction access indicators are identified in the presentation using the graphical indicator.

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23. The computer program product of claim 20, wherein the third instructions is performed in response to an event.

24. The computer program product of claim 23, wherein the event is at least one of a completion of the execution of the code, expiration of a time, and the execution of a selected type of instruction in the code.